

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Bradley J. Howard</td> <td>05/23/2008</td> </tr> <tr> <td>Eric Pape</td> <td>05/23/2008</td> </tr> <tr> <td>Siwen Li</td> <td>05/23/2008</td> </tr> </tbody> </table>		Name	Execution Date	Bradley J. Howard	05/23/2008	Eric Pape	05/23/2008	Siwen Li	05/23/2008
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Bradley J. Howard	05/23/2008								
Eric Pape	05/23/2008								
Siwen Li	05/23/2008								
RECEIVING PARTY DATA									
Name:	Lam Research Corporation								
Street Address:	4650 Cushing Parkway								
City:	Fremont								
State/Country:	CALIFORNIA								
Postal Code:	94538								
PROPERTY NUMBERS Total: 1									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12126625</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12126625				
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Application Number:	12126625								
CORRESPONDENCE DATA									
Fax Number:	(408)297-9748								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	4082979733								
Email:	sally@patentvalley.com								
Correspondent Name:	Schneck & Schneck								
Address Line 1:	P.O. Box 2-E								
Address Line 4:	San Jose, CALIFORNIA 95109								
ATTORNEY DOCKET NUMBER:	LAM-009 USSN12/126625								
NAME OF SUBMITTER:	Thomas Schneck								
Total Attachments: 3 source=LAM-009Assignment#page1.tif source=LAM-009Assignment#page2.tif									

OP \$40.00 12126625

A S S I G N M E N T

WHEREAS, the undersigned, BRADLEY J. HOWARD, having an address of 1400 Oak Vista Way, City of Pleasanton, State of California 94566; ERIC PAPE, having an address of 39975 Cedar Blvd., Unit 135, City of Newark, State of California 94560; and SIWEN LI, having an address of 7190 Galli Court, Apt. 2, City of San Jose, State of California 95129 (hereinafter termed Assignors) have invented certain new and useful improvements in an invention entitled: ELECTRICAL AND OPTICAL SYSTEM AND METHODS FOR MONITORING EROSION OF ELECTROSTATIC CHUCK EDGE BEAD MATERIALS; the undersigned Assignors hereby authorize and request that the serial number and filing date of said patent application be entered herein by the attorney in charge of the application, as soon as such information is known:

Serial No. 12/126,625
Filed: May 23, 2008

WHEREAS, LAM RESEARCH CORPORATION, a Delaware corporation, having an address of 4650 Cushing Parkway, Fremont, California 94538 (hereinafter termed Assignee) is desirous of acquiring the entire right, title and interest in and to said application and said invention and improvements thereon, and in and to Letters Patent thereon when granted in the United States and foreign countries;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and for other good and valuable consideration received by said Assignors from said Assignee, the receipt and sufficiency of which in full are hereby acknowledged by said Assignors:

1. Said Assignors do hereby sell, assign, transfer and convey unto said Assignee, the entire right, title and interest in and to said application and said invention and in and to any and all improvements on said invention heretofore or hereafter made or acquired by said Assignors; and in and to any and all Letters Patent on said invention and/or said improvements that may be granted in the United States or any foreign country, including each and every Letters Patent granted on any application which is a division, continuation, substitution, renewal, or continuation-in-part of any of said application specifically identified herein, and in and to each and every reissue or extension of said Letters Patent.

2. Said Assignors hereby covenant and agree to cooperate with said Assignee whereby said Assignee may enjoy to the fullest extent the right, title and interest herein conveyed. Such cooperation shall include (a) prompt execution of all papers (prepared at the expense of Assignee) which are deemed necessary or desirable by Assignee to perfect in it the right, title and interest herein conveyed; (b) prompt execution of all petitions, oaths, specifications or other papers (prepared at the expense of Assignee) which are deemed necessary or desirable by Assignee for prosecuting said application, for filing and prosecuting divisional, continuation, substitution, renewal, continuation-in-part, or additional applications in the United States and/or foreign countries covering said invention and/or said improve-

ments, for filing and prosecuting applications for reissuance of Letters Patent included herein, or for interference proceedings involving said invention and/or said improvements; (c) prompt assistance and cooperation in the prosecution of interference proceedings involving said invention and/or said improvements and in the adjudication of said Letters Patent, particularly by the disclosure of facts and the production of evidence relating to said invention and/or said improvements, provided the expenses which may be incurred by said Assignors in lending such assistance and cooperation shall be paid by the Assignee.

3. The terms, covenants and conditions of this Assignment shall inure to the benefit of said Assignee, its successors, assigns and/or other legal representatives, and shall be binding upon said Assignors, their heirs, legal representatives and assigns.

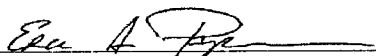
4. Said Assignors hereby warrant and represent that they have not entered into any assignment, contract or understanding in conflict therewith.

IN WITNESS WHEREOF, these said Assignors have executed and delivered this instrument on the dates shown below.

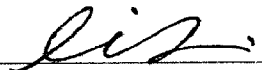
Date: 5/23/2008


BRADLEY J. HOWARD

Date: 05/23/2008


ERIC PAPE

Date: 5/23/2008


SIWEN LI